

HULL NUMBER: 576
VESSEL NAME: Far Far Away
SUBJECT: RANGE

REVISIO 0
DATE: 10/2/09

DIESEL CONSUMPTION

TANK CAPACITY

Fuel Capacity (Molded Volume)	V _{mold} [L]	68.505
Fuel Capacity (Useful Volume)	V _{useful} [L]	63.710
Fuel Reserve (Normal 10%)	[%]	10 5
Fuel Capacity (Util)	V [L]	57.339 60.524

GENERATOR SET **KILO PAK 50HE08PF3P - 50Hz**

Number of Genset	N gen [-]	1
Fuel Consumption per genset	Lph [L/h]	12,0 @ 80% LOAD

MAIN ENGINE **CATERPILLAR C-18 RATING B**

Engine speed	rpm [-]	1200	1300	1400	1500	1600	1700	1800
Required Engine Power per engine	BHP [kw]	132,6	168,6	210,6	259,0	314,3	377,0	447,5
Brake specific fuel consumption	BSFC [g/kw.h]	208,0	206,5	205,1	203,7	202,2	200,8	199,9
Fuel consumption /hour/ engine	Lph [L/h]	32,8	41,4	51,4	62,8	75,7	90,1	106,5
Fuel consumption /hour	Lph [-]	65,7	82,9	102,8	125,6	151,3	180,2	213,0
Total Consumption	Ct [L/h]	77,7	94,9	114,8	137,6	163,3	192,2	225,0
Vessel Speed (Estimated)	Vs [knot]	10,1	10,5	10,9	11,3	11,6	12,0	12,5

RANGE (FUEL RESERVE 10%)

Total time	H [h]	738	604	499	417	351	298	255
Nautic Miles, Range	R [nm]	7456	6344	5442	4708	4073	3579	3186

RANGE (FUEL RESERVE 5%)

Total time	H [h]	779	638	527	440	371	315	269
Nautic Miles, Range	R [nm]	7871	6697	5744	4970	4299	3778	3363

OBSERVATION:

THE SPEED VESSEL AND THE FUEL CONSUMPTION WAS ESTIMATED AT HALF LOAD CONDITION. ALL VALUES SHOULD BE CORRECTED AFTER THE SEA TRIALS

